

WHAT IS CLAIMED IS:

1. An absorption chiller-heater comprising:

an exhaust gas flow path in which an exhaust gas flows;

an exhaust gas fired regenerator provided on said exhaust

5 gas flow path so as to be heated by said exhaust gas;

a cooling medium solution passage supplying a first solution of a cooling medium which is collected by an absorber to said exhaust gas fired regenerator; and

10 an exhaust gas heat collector provided on said cooling medium solution passage for carrying out heat exchange between said first solution and said exhaust gas.

2. An absorption chiller-heater according to claim 1, further comprising:

15 a low temperature heat exchanger provided on an upstream side of said cooling medium solution passage with respect to a flow of said first solution therein for carrying out heat exchange between said first solution and a second of said cooling medium; and

20 a high temperature heat exchanger provided on a downstream side of said diluted solution passage with respect to said flow of said first solution therein for carrying out heat exchange between said first solution and a third solution of said cooling medium;

25 wherein said exhaust gas heat collector is provided on

said cooling medium solution passage between the low temperature heat exchanger and the high temperature heat exchanger.

5 3. The absorption chiller-heater according to Claim 1, wherein said exhaust gas fired regenerator and said exhaust gas heat collector are integrated into a single unit.

4. The absorption chiller-heater according to Claim 1,
10 wherein a first unit is integrally formed with a second regenerator, a condenser, the absorber and an evaporator, and
a second unit which is integrally formed with the exhaust gas fired regenerator and the exhaust gas heat collector is mounted on said first unit.

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